



United States Air Force

Scientific Advisory Board

Ms. Heidi Shyu

Raytheon Electronic Systems



EDUCATION:

University of California, Los Angeles
Engineer Degree, Electrical Engineering, 1982
M.S., Electrical Engineering, 1981
University of Toronto, Canada
M.S., Mathematics, 1977
University of New Brunswick, Canada
B.S., Mathematics, 1976

WORK EXPERIENCE:

Raytheon, El Segundo, CA
Director, Joint Strike Fighter (JSF), 2001-Present
Director, Joint Strike Fighter Integrated Radar/EW, 1999-2001
Director, Joint Strike Fighter Antenna Technology, 1997-1999
Laboratory Manager, Electromagnetic Systems, 1995-1997
Project Manager, Low Cost Radar, 1992-1994
Litton, San Jose, CA
Senior Staff, Near IR Octane Analyzer, 1990-1991
Grumman, Melbourne, FL
Principal Engineer, JointSTARS Self Defense Study, 1989-1990
Hushes Aircraft Company, El Segundo, CA
Scientist/Engineer, F-15 and F/A-18 ECCM Development, 1987-1989
Senior Staff, F-15 ECCM Development, 1985-1987
Staff Engineer, FLEXAR Detection and Tracking, 1983-1985
Member of Technical Staff, F-14 Detection, Tracking, Data Link, 1978-1983

AREAS OF EXPERTISE:

Technology planning and development of antenna technologies, low observable technology, active array radar systems, electronic counter-counter measures (ECCM) algorithm development, electronic self-defense systems, detection, tracking of radar systems.
